

FIG. 1 - SERVER ATTACHED STORAGE (SAS)
(PRIOR ART)

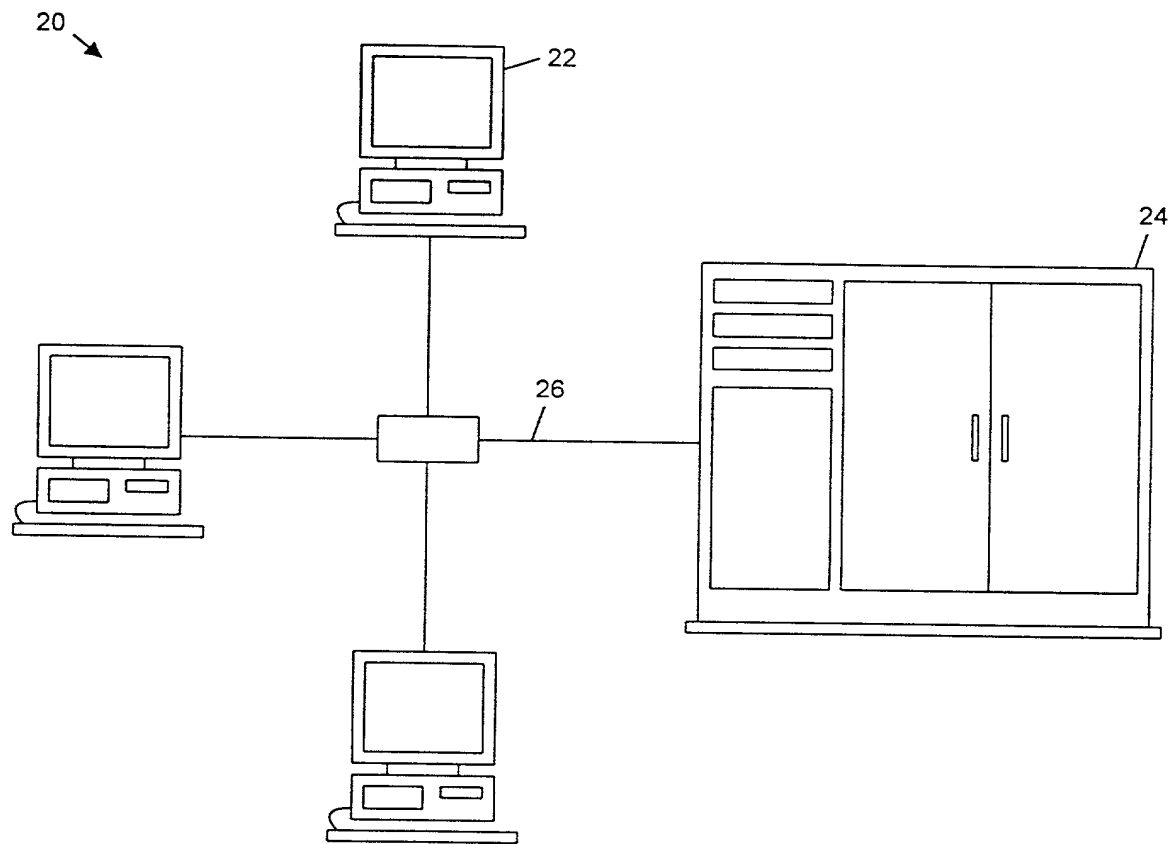


FIG. 2 - NETWORK ATTACHED STORAGE (NAS)
(PRIOR ART)

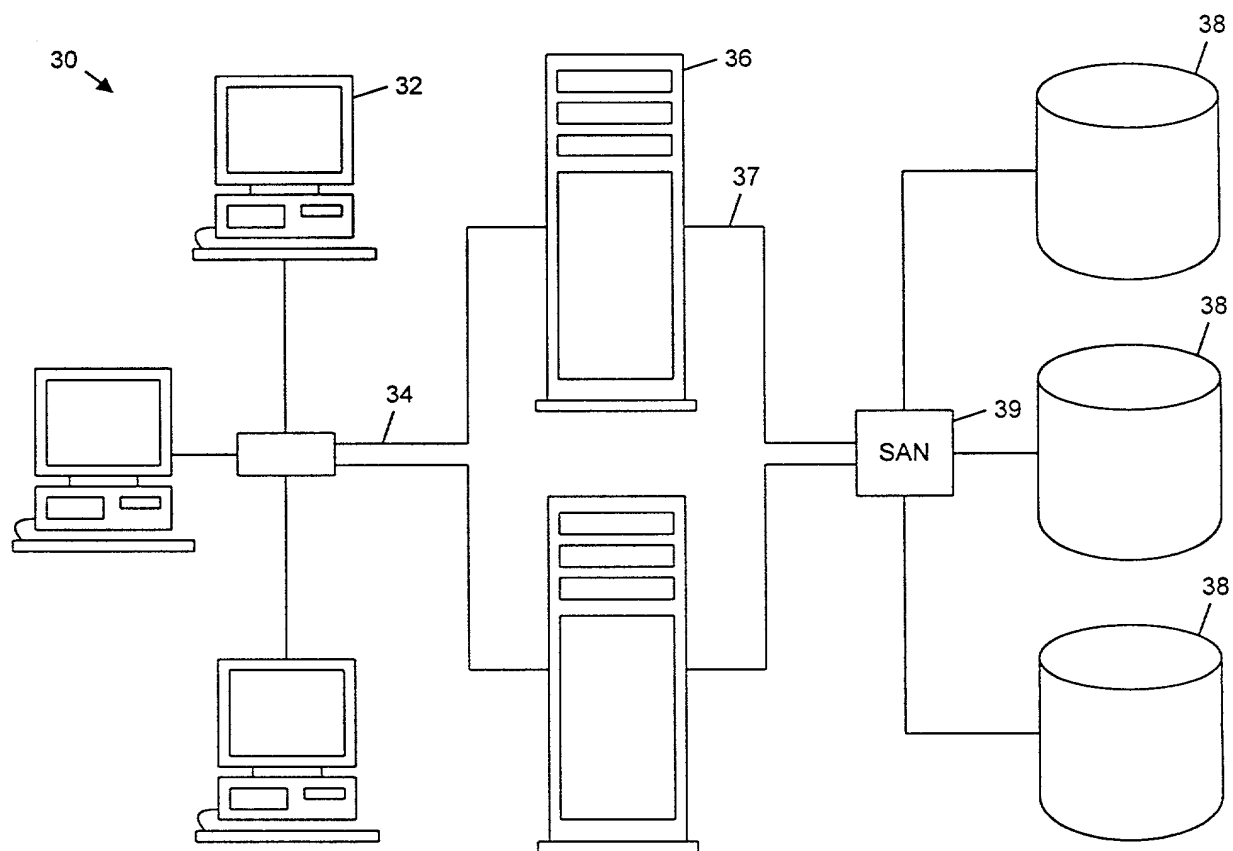


FIG. 3 - STORAGE AREA NETWORK (SAN)
(PRIOR ART)

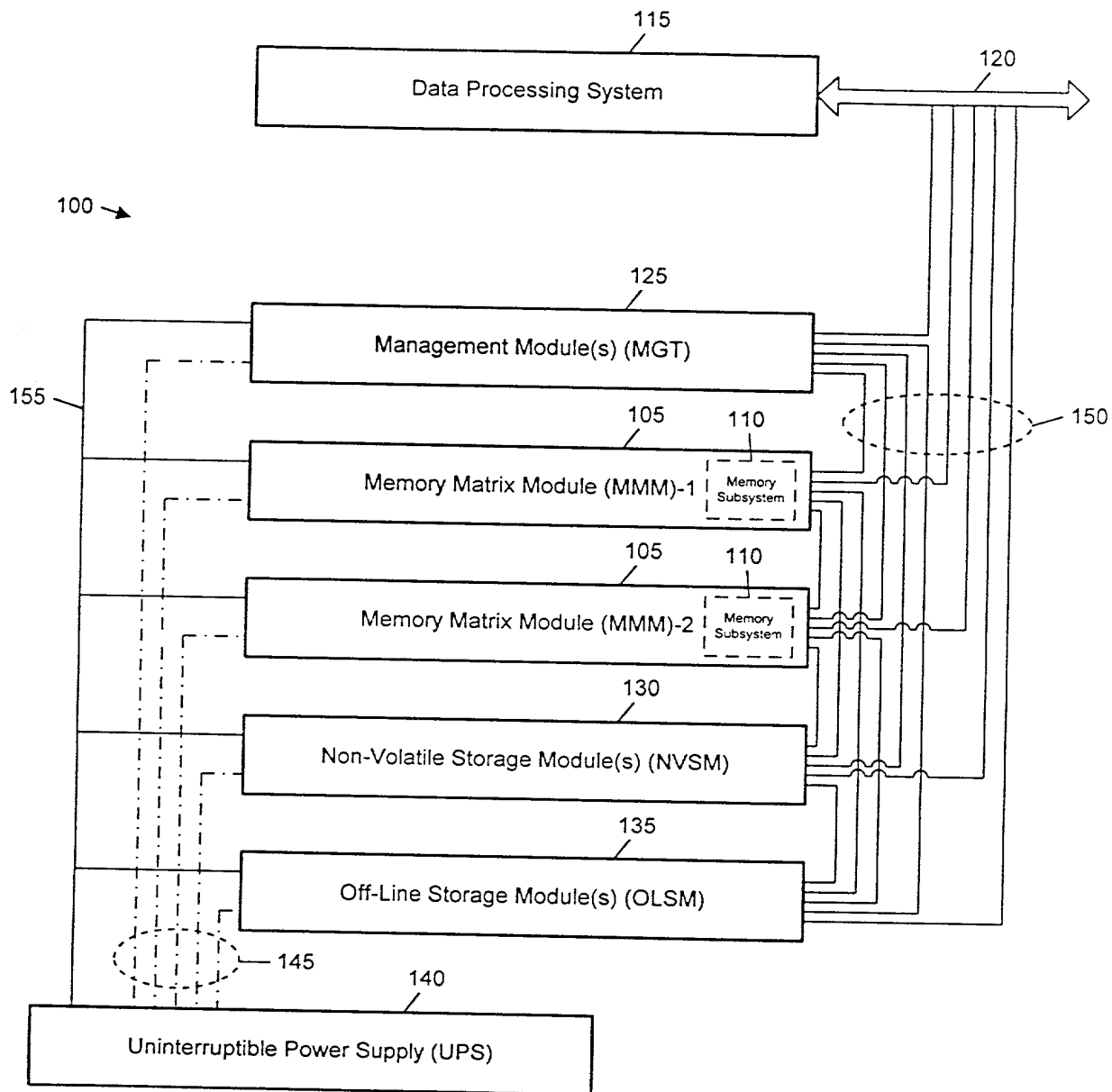


FIG. 4 - MEMORY MATRIX SYSTEM COMPONENTS
(NAS CONFIGURATION)

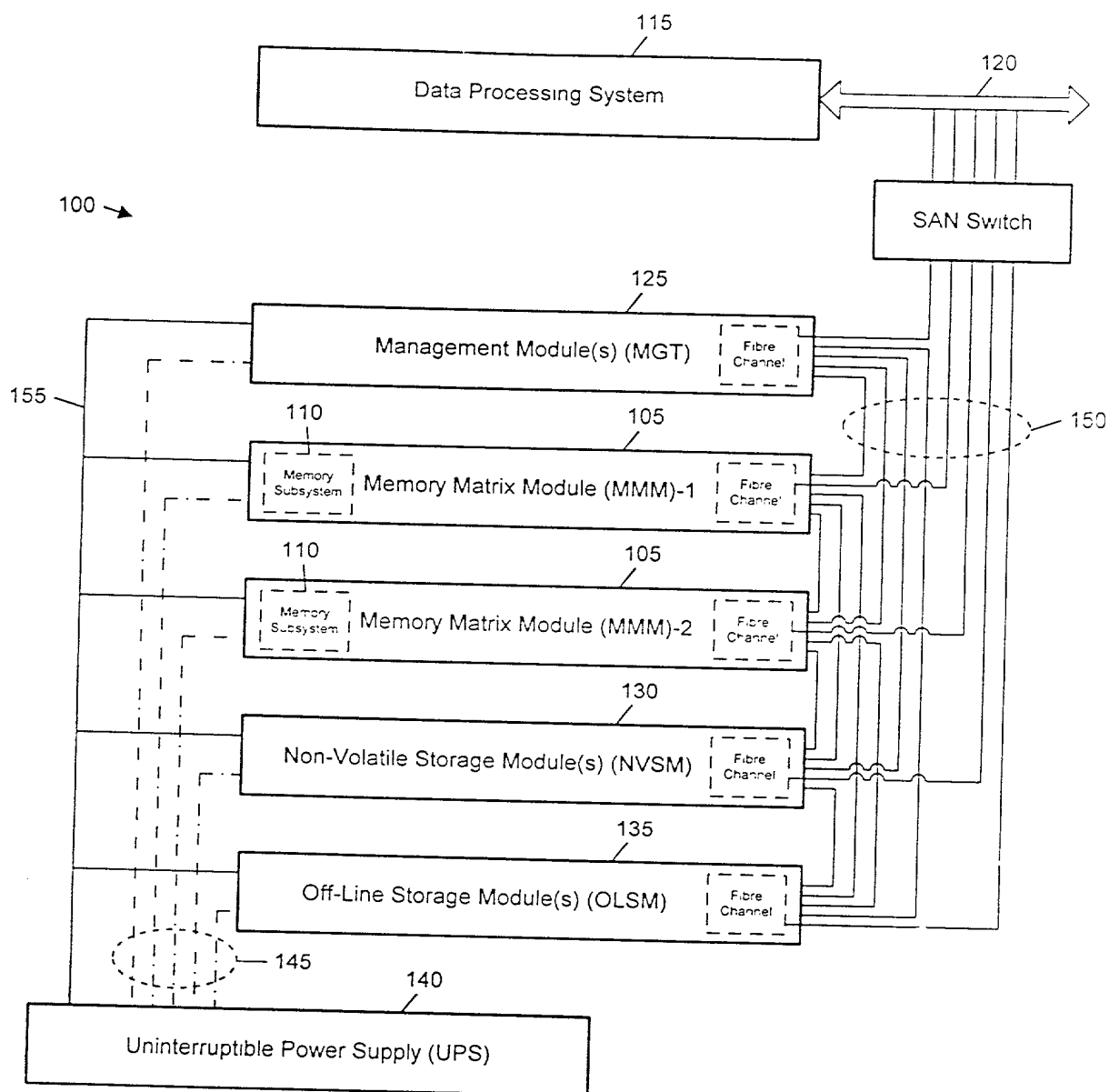


FIG. 5 - MEMORY MATRIX SYSTEM COMPONENTS
(SAN CONFIGURATION)

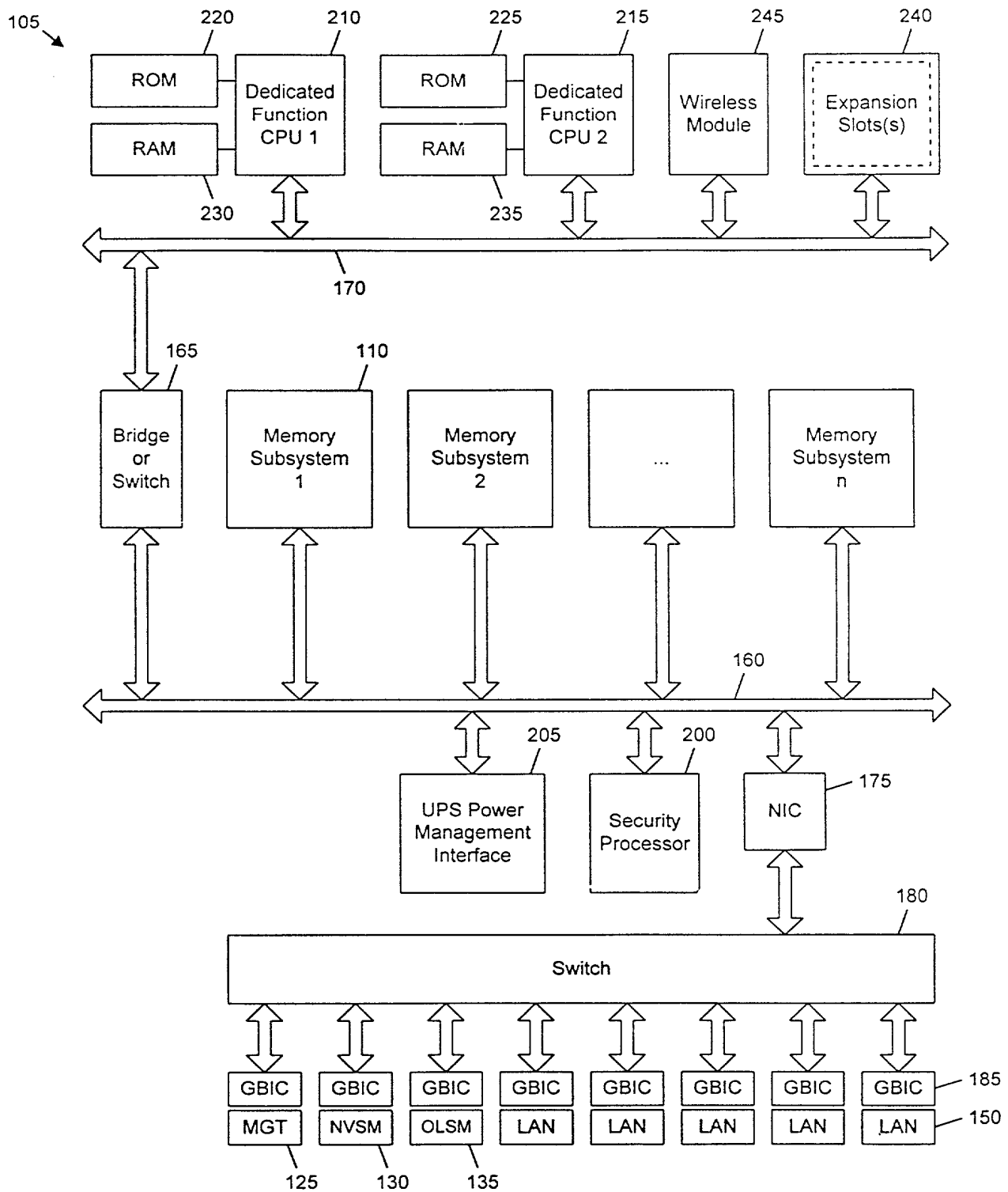


FIG. 6 - MEMORY MATRIX MODULE (MMM)

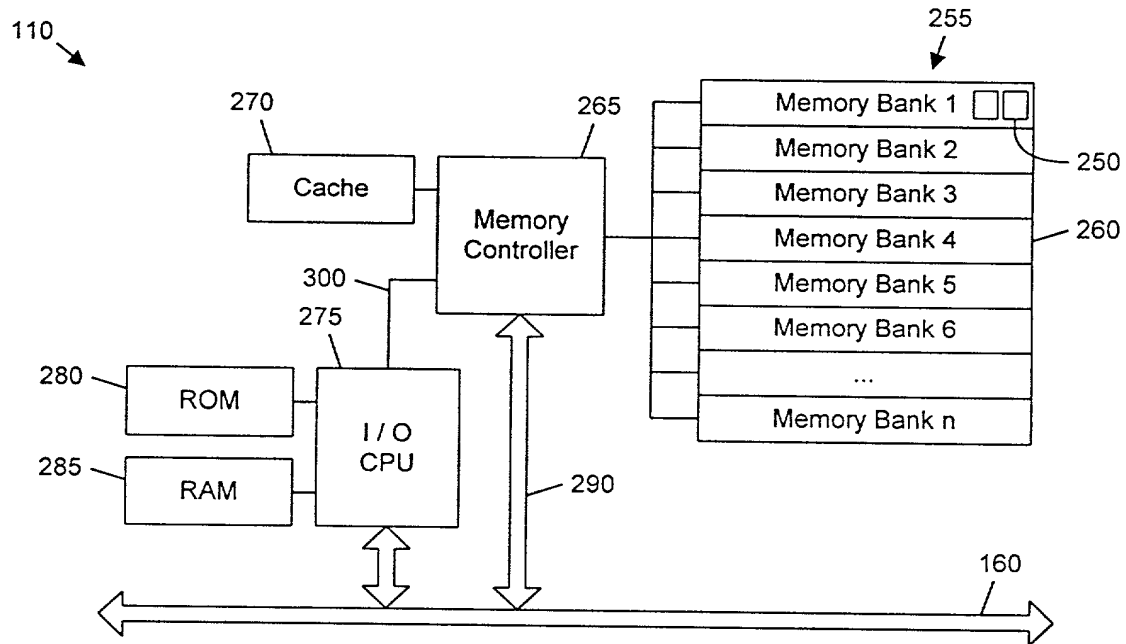


FIG. 7 - MEMORY SUBSYSTEM

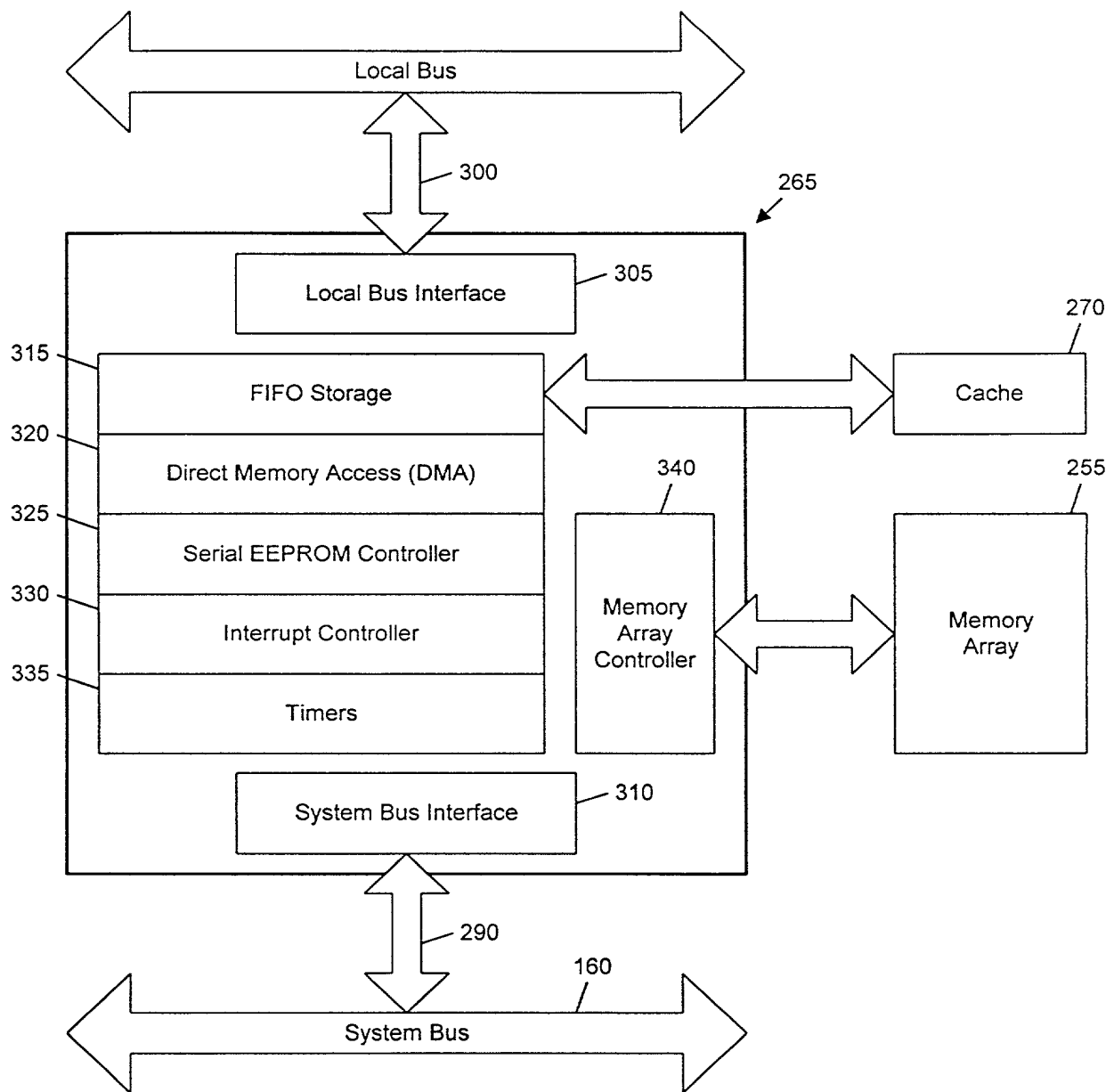


FIG. 8 - MEMORY CONTROLLER

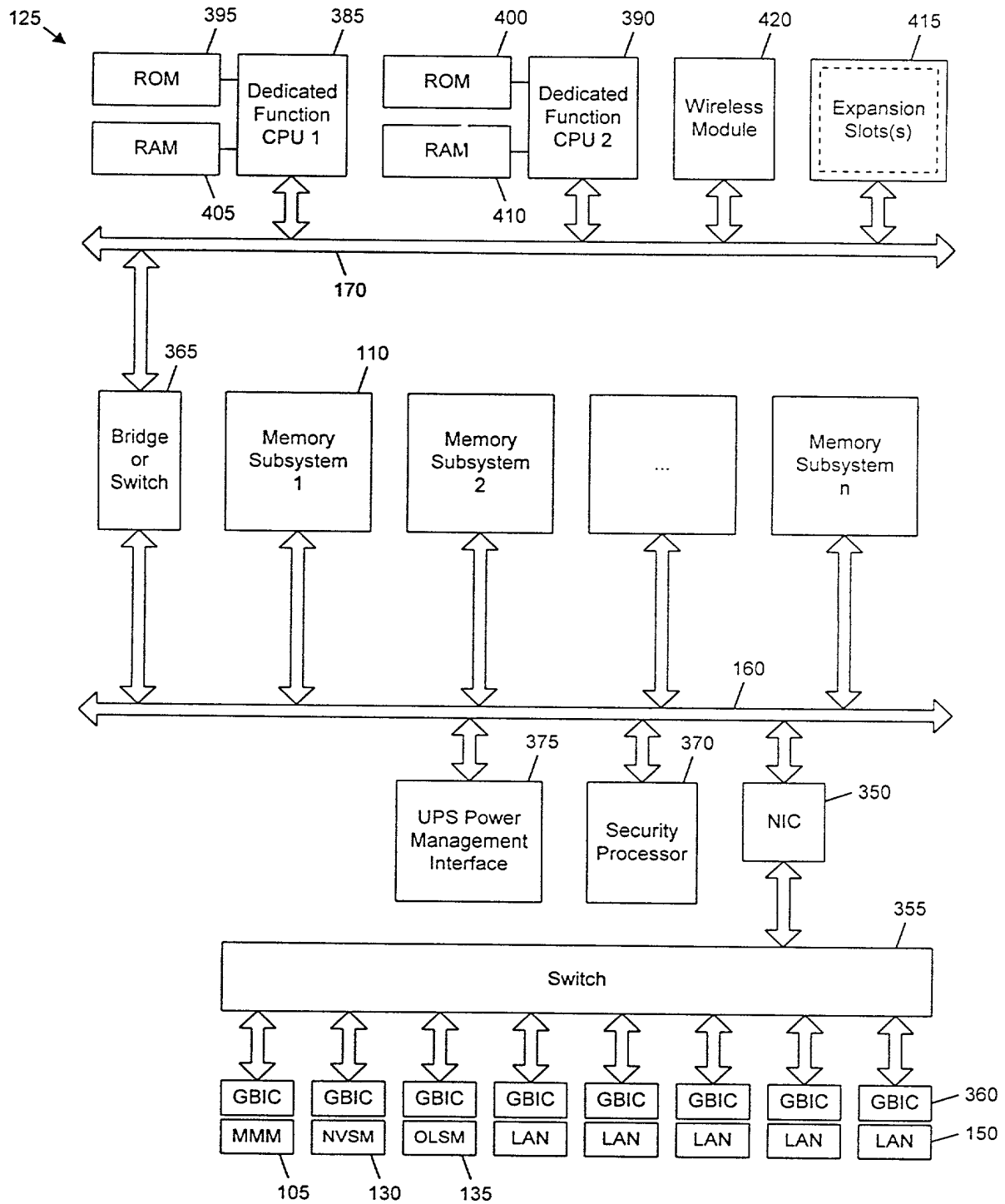


FIG. 9 - MANAGEMENT MODULE (MGT)

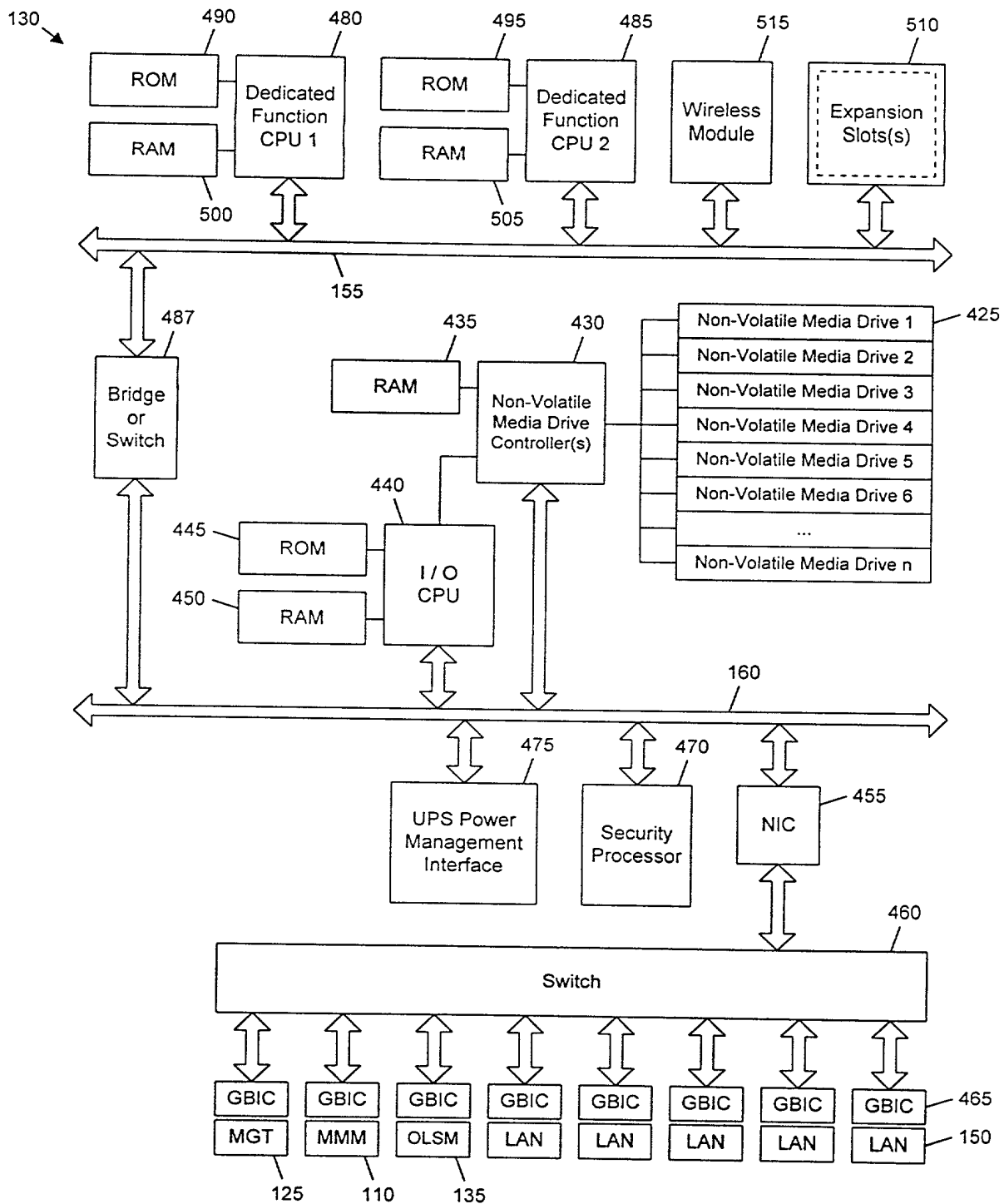


FIG. 10 - NON-VOLATILE STORAGE MODULE (NVSM)

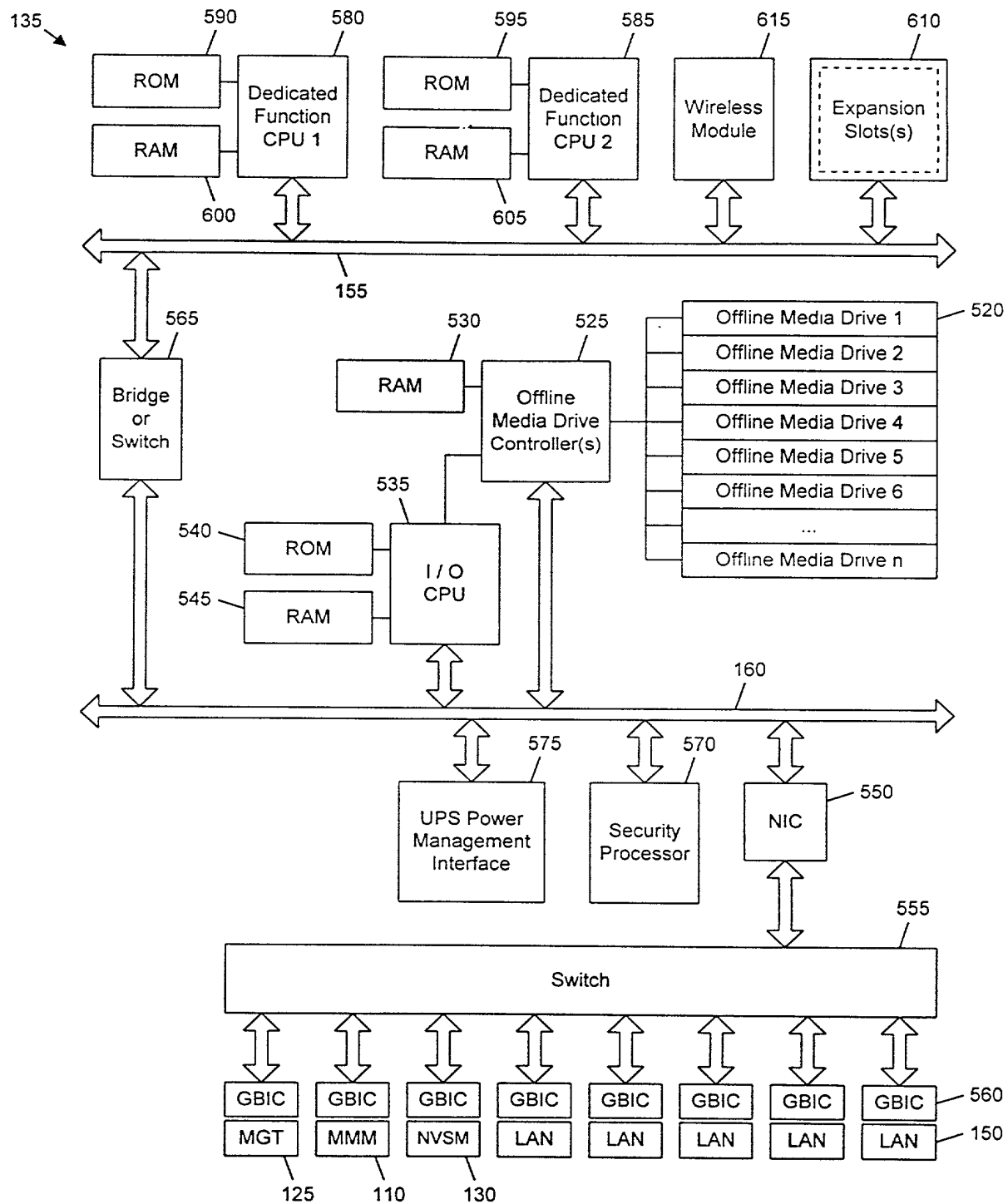


FIG. 11 - OFF-LINE STORAGE MODULE (OLSM)

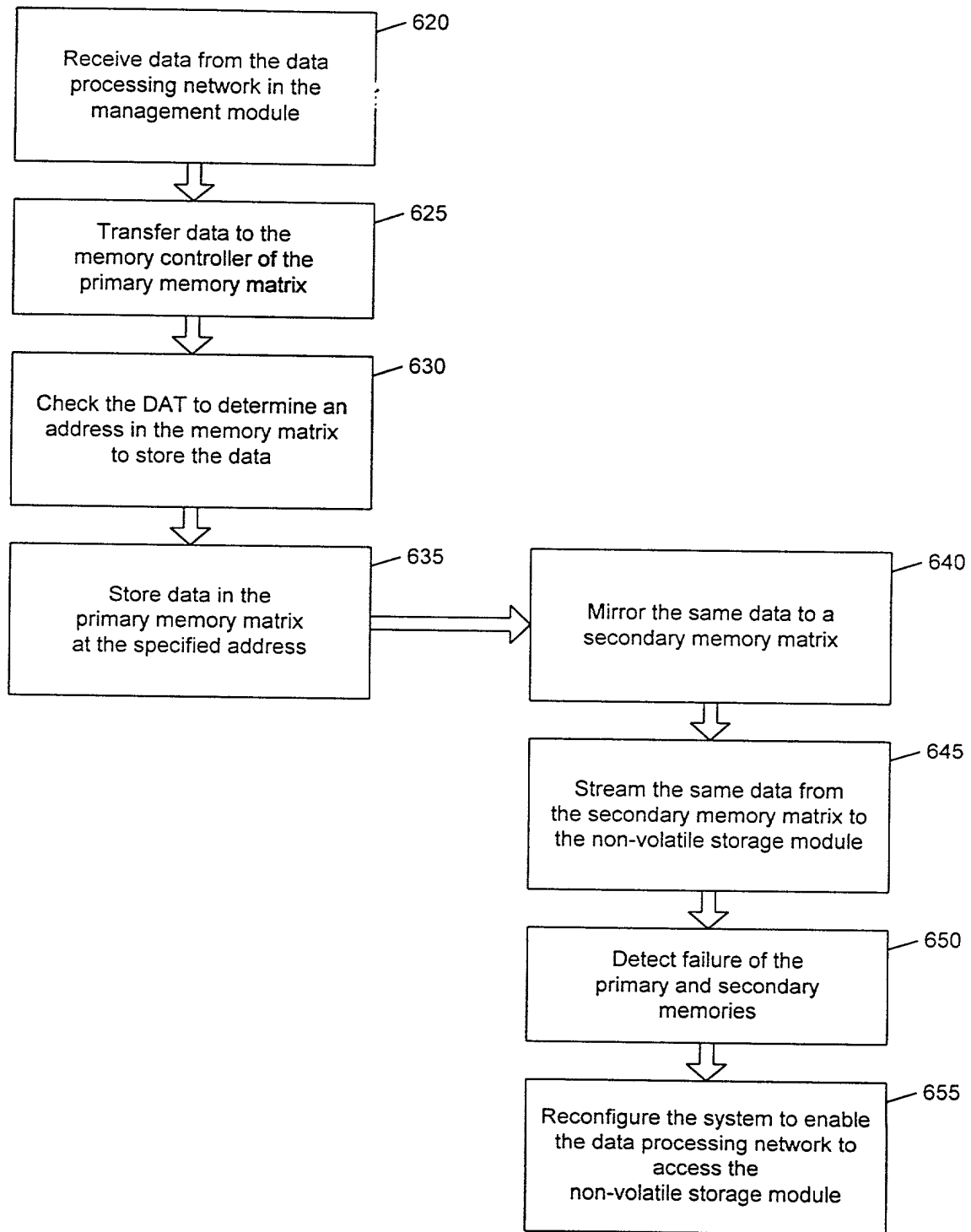


FIG. 12 - METHOD FOR OPERATION OF MEMORY SYSTEM